## STN SEARCH TRANSCRIPT 10/681, 205

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* * * Welcome to STN International * * * * * * *	Web Page URLs for STN Seminar Schedule - N. America	"Ask CAS" for self-help around the clock	01 New pricing for the Save Answers for Scifinder Wizard within STN Express with Discover!	28 KORE	30	01 LISA now available on STN	60	15 MEDLINE update schedule for December 2004		arter co		17 SOLIDSTATE reloaded; updating to resume; current-awareness	dicted (Spin) directed	1/ CEKAB TELOGUEL; Updating to resume; current-awareness	alerts (SDIS) allected	1/ INTER NEW FIELDS ADDED TO IFTERI/IFTODE/IFTCDE	0	30 CAPLUS - PATENT COVERAGE EXPANDED	03	25 CA/CAPLUS - Russian Agency for Patents and Tradem	10 STN Patent Forums to be held in March 2005	16	National Meeting on March 13, 2005	78	data from INPADOC	28	78	02 GBFULL: New full-text		03	22 KOREAPAT now updated	•	22 PATDPASPC - New patent database available	22 REGISTRY/ZREGISTRY enhanced with experimental property tags	JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT	MACINTOSH VERSION IS V6.0c(ENG) AND V6.0JC(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005	
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Enter NEWS followed by the item number or name to see news on that

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FILE 'HOME' ENTERED AT 14:46:27 ON 24 MAR 2005

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FULL ESTIMATED COST
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FILE 'REGISTRY' ENTERED AT 14:46:32 ON 24 MAR 2005
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 MAR 2005 HIGHEST RN 847137-45-5 DICTIONARY FILE UPDATES: 23 MAR 2005 HIGHEST RN 847137-45-5

ISCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

The CA roles and document type information have been removed from the IDE default display format and the ED field has been added, effective March 20, 2005. A new display format, IDERL, is now a vailable and contains the CA role and document type information.

Crossover limits have been increased. See HELP CROSSOVER for details

Experimental and calculated property data are now available. For mor information enter HELP FROD at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

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NEWS HOURS NEWS INTER NEWS LOGIN NEWS PHONE NEWS WWW

7-9 7-10 7-8 6-7 2-6 6-7 7-8 7-9 7-10 11-12 exact/norm bonds:
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exact bonds:
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## STRUCTURE UPLOADED ፰

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Structure attributes must be viewed using STN Express query preparation.

=> S 1.1 SAMPLE SEARCH INITIATED 14:46:46 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 1950 TO ITERATE 51.3% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

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1358 TO 2542 FULL FILE PROJECTIONS: PROJECTED ITERATIONS: PROJECTED ANSWERS:

50 SEA SSS SAM L1 S

SINCE FILE ENTRY 0.43 => FILE CAPLUS COST IN U.S. DOLLARS FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:46:50 ON 24 MAR 2005
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FILE COVERS 1907 - 24 Mar 2005 VOL 142 ISS 13 FILE LAST UPDATED: 23 Mar 2005 (20050323/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> S L2 L3

12 L2

a> D 1-12 IBIB ABS HITSTR

Preparation of benzodiazepines as inhibitors of farnesyl protein transferase Ding, Charles Z.; Hunt, John T.; Leftheris, Katerina; Bhide, Rajeev S.
Bristol-Myers Squibb Company, USA
U.S., 25 pp., Cont.-in-part of U. S. Ser. No. 161,801, abandoned.
CODBN: USXXAM
Patent
English ACCESSION NUMBER: 2002:748789 CAPLUS
DOCUMENT NUMBER: 137:263073
TITLE: Prenaration of Leading PATENT ASSIGNEE(S) INVENTOR (S):

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATEN	PATENT NO.			KIND		DATE		~	TAA	CAT	APPLICATION NO.	Š.		Ω	DATE	
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AB Title compds. [I, II; m, n, p = 0, 1; Z = null, CHR9, SO2, CO, CO2, O, NRR1, SOZNR1, CONTR12, C. (CINCN), etc.; Y = null, CHR23, SO2, CO, NRR4, SOZNR1, CONTR12, C. (CINCN), etc.; Y = null, CHR23, SO2, CO, NRR4, SOZNR25, CONR26, RI, R2, R3 = H, alkoxycarbonyl, aralkyl, cycloalkyl, CN, carbawyl, anyl, heterocyclyl, carbamyl, anyl, heterocyclyl, carbamyl, anyl, neterocyclyl, anyl, Co, R1, R2, R3 = atcoms to form a cycloalkyl ring; R4, R5 = H, halo, NO2, CN, amino, acyl, carbamyl, sulfamoyl, etc.; R4R5 = atcoms to form a ring; R6, R9, R10, R11, R12, R23, R24, R25, R26 = H, mblubstituted alkyl, aryl, R8 = H, aralkyl, cycloalkyl, (un)substituted alkyl, alkemyl, aryl, R8 = H, aralkyl, cycloalkyl, (un)substituted alkyl, aryl, R8 = H, aralkyl, cycloalkyl, (un)substituted alkyl, aryl, R8 = H, aralkyl, cycloalkyl, (un)substituted alkyl, alkemyl, alkynyl, aryl, R8 = H, aralkyl, cycloalkyl, (un)substituted alkyl, arkmyl, aryl, R8 = H, aralkyl, cycloalkyl, un)substituted for inhibiting tumors and treating diseases associated with signal transduction pathways. Thus, cycloaddn. of isatoic anhydride and glytine Et ester. HCl gave 2,3,4,5-tetrahydro-IH-benzodiazepine alkyl, alkylated with LiAH4 (84%) and treated with 1-raphthoyl ciloride naphthylcarbonyl)-H-1,4-benzodiazepine was reductively alkylated with N-BOC-S-tritylcysteine aldehyde and NaBH(OAC)3 followed by deprotection with TRA and conversion to 1-(2-anino-3-merzoptopropyl)-2,3,4,5-tetrahydro-4 (naphthalenylcarbonyl)-1H-1,4-benzodiazepine mydrochloride. Title compds. inhibited farnesyl protein transferase with ICSO = 0.1 nm to 100 ΑB

371150-63-9 H

RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of benzodiazepines as inhibitors of farnesyl protein transferase)

₹ 5

371150-63-9 CAPLUS
1H-1,4-Benzodiazepine-7-carbonitrile, 2,3,4,5-tetrahydro-3-(phenylmethyl)-4-[{4-(phenylmethyl)-1-piperazinyl)sulfonyl]-, (3R)- (9CI) (CA INDEX

Absolute stereochemistry.

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 7

REFERENCE COUNT:

136:279479
Preparation of piperazin-2-one amides as inhibitors of factor Xa US COPYRIGHT 2005 ACS on STN 2002:256255 CAPLUS CAPLUS L3 ANSWER 2 OF 12 CACCESSION NUMBER:
DOCUMENT NUMBER:
TITLE:

Zhu, Bing-yan; Su, Ting; Li, Wenhao; Goldman, Erick A.; Zhang, Penglie; Jia, Zhaozhong Jon; Scarborough, Robert W. Cor Therapeutics, Inc., USA PCT Int. Appl., 135 pp. CoDEN: PIXXD2
Retent English 20011001 CA, CH, CN, CD, CH, CN, LC, LK, LR, NZ, PH, PL, TJ, TM, UG, TJ, TM, UG, TJ, TM, UG, SE, CH, CY, SE, CH, CY, SE, TR, SF, TD, TG 20011001 20011001 SE, MC, PT, 20011001 20030808 20000929 20011001 20011001 BA, BB, BG, BR, BY, BDZ, BC, EC, EE, ES, FT, G
DZ, EC, EE, ES, FT, G
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SK, SL, TJ, TM, TT, T
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SL, SZ, TZ, UG, ZW, A
IE, IT, LU, MC, NL, P
GQ, GW, ML, CA, 2001-2422873
BA, 2001-2422873
BA, 2001-979304
CB, CR, IT, LI, LU, N
CY, AL, TT
ST, CA, COOL-S3111B
BR, 2001-7282
US, 2002-23131B
BR, 2001-7283
US, 2002-233339
WO, 2001-US303133 APPLICATION NO. MARPAT 136:279479 ES, FR, RO, MK, 20020404 20020408 20030702 20020404 EI, KIND ë i 4653333333 FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PRIORITY APPLN. INFO.: WO 2002026734
W: AE, AG, (GW, HR, ILS, LT, ILS, LT, ILS, LT, ILS, LT, ILS, LG, UZ, VZ, NG, RW: GH, GW, RG, GH, R: AT, BE, IE, SI, CA 2422873 AU 2002011280 EP 1322643 PATENT ASSIGNEE(S): SOURCE: JP 2004509958 BR 2001007282 US 2004072860 OTHER SOURCE(S): GI PATENT NO. DOCUMENT TYPE: LANGUAGE: INVENTOR (S):

## \* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

The title compds. [I or II; A = MeNHC(:NH), 1-methylimidazol-2-yl; PrNMeC(:NH), etc. R = H, alkyl, cycloalkyl, etc.; Q = III-VII; R1 = H, halo, alkyl, etc.; J1 = (un)substituted Ph, pyridyl, pyrimidinyl, furyl, thiemyl; J2 = (un)substituted 2-naphthyl, 2-benzothienyl, etc.; n = 0-2; m = 1-2; p = 0-1], having activity against mammalian factor Xa (no data given), and useful in vitro or in vivo for preventing or treating conditions in mammals characterized by undesired thrombosis, were prepared E.g., a multi-step synthesis of VIII was given.

IT 406489-75-6P 406489-75-6P 406489-95-0P 406491-80-7P 406491-90-7P 406491-80-7P 406491-90-7P 406491-90-7P 406491-90-7P 406491-90-7P 406491-90-7P 406491-90-7P 406491-10-8P 40 B H

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(preparation of piperazin-2-one amides as inhibitors of factor Xa) 406489-04-1 CAPLOB.

Benzenecarboximidamide, 4-[[4-[[6-chlorobenzo[b]thien-2-y1]sulfonyl]-2-oxo-1-piperazinyl]methyl]-N-(2-cyanoethyl)-N-methyl- (9CI) (CA INDEX NAME)

Z Z

**2** 2

406489-17-6 CAPLUS

Benzenecarboximidamide, 4-[[4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-2-oxo1-piperazinyl]methyl]-N-[4-(dimethylamino)butyl]-N-methyl- (9CI) (CA INDEX NAME)

406489-35-8 CAPLUS
Benzenecarboximidamide, 4-[[4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-2-oxo-l-piperazinyl]methyl]-N-(2-furanylmethyl)-N-methyl- (9CI) (CA INDEX NAME) **3** 3

406489-59-6 CAPLUS

1H-Imidazole-1-acetic acid, 2-[4-[[4-[[6-chlorobenzo[b]thien-2-yl]sulfonyl]-2-oxo-1-piperazinyl]methyl]phenyl]-4,5-dihydro- (9CI)
INDEX NAME) **3** 5

Z Z

406489-75-6 CAPLUS
Piperazinone, 4-[(6-chlorobenzo[b]thien-2-y1)sulfonyl]-1-[[4-(1,4,5,6-tetrahydro-2-pyrimidinyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

RN 406489-95-0 CAPLUS

Piperazinone, 4-[(6-chlorobenzo[b]thien-2-yl)gulfonyl]-1-[[4-[[3-(dimethylamino)propyl]methylamino]phenyl]methyl]- (9CI) (Ca INDEX NAME) 3

406490-34-4 CAPLUS Benzenecarboximidamide, 4-[[4-[(5-chloro-lH-indol-2-yl)sulfonyl]-2-oxo-l-piperazinyl]methyl]-N-ethyl-N-methyl- (9CI) (CA INDEX NAME) Z 5

406491-00-7 CAPLUS
Piperazinone, 4-[(5-chloro-lH-indol-2-yl)sulfonyl]-1-[[4-(1-ethyl-4,5-dihydro-lH-imidazol-2-yl)phenyl]- (9CI) (CA INDEX NAME) 

406491-39-2 CAPLUS
Piperazine, 1-[[4-[[4-[[4-chloro-lH-indol-2-yl)sulfonyl]-2-oxo-l-piperazinyl]methyl]phenyl]iminomethyl]- (9Cl) (CA INDEX NAME) 2 Z

Z Z

₹ 5

406491-90-5 CAPLUS
Benzenecarboximidamide, 4-[[4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-2-oxo-1-piperazinyl]methyl]-3-ethoxy-N.N-dimethyl- (9Cl) (CA INDEX NAME)

406493-54-7 CAPLUS 2-Piperazinecarboxylic acid, 4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-1-[[4-[(dimethylamino)iminomethyl]phenyl]methyl]-6-oxo- (9CI) (CA INDEX NAME)

**3**3

406493-87-6 CAPLUS

Benzenecarboximidamide, 4-[[4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-3-methyl-2-oxo-1-piperazinyl]methyl]-N.N-dimethyl- (9Cl) (CA INDEX NAME)

**3 3** 

406494-10-8 CAPLUS
2-Piperazinecarboxylic acid, 4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-1[[4-[[[4-([id-ethylamino)butyl]methylamino]iminomethyl]phenyl]methyl]-6-oxo(9CI) (CA INDEX NAME)

Z Z

406495-04-3 CAPLUS
2-Piperazinecarboxylic acid, 4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-6-oxo-1-[{4-(1-piperazinylmethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)

Z Z

406495-32-7 CAPLUS
2-Piperazinecarboylic acid, 4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-1[[4-[[(3,4-dihydro-2H-pyrrol-5-yl)methyl]methyl]phenyl]methyl]-6-oxo(9Cl) (CA INDEX NAME)

$$C1 \longrightarrow S \longrightarrow N \longrightarrow CH_2 \longrightarrow N \longrightarrow CH_2 \longrightarrow N \longrightarrow N$$

406495-88-3 CAPLUS ₩ 53

2-Piperazinecarboxylic acid, 1-[[4-[(4-carboxy-1-piperidinyl)iminomethyl]phenyl]methyl]-4-[(6-chlorobenzo[b]thien-2-yl)sulfonyl]-6-oxo-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Z Z

Absolute stereochemistry.

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT σ

REFERENCE COUNT:

2002.256243 CAPLUS
136:294651
Preparation of piperazine (hetero)aryl ketones and sulfones as factor Xa inhibitors for treatment of thrombosis or coagulation disorders
Lhrombosis or coagulation disorders
Zhu, Bing-Yan; Jia, Zhaozhong Jon; Zhang, Penglis; Huang, Wentong; Wu, Yanhong; Zuckett, Jingmei Pan; Goldman, Erik A.; Wang, Lingyan; Song, Yonghong; Scarborough, Robert M.
Cor Therapeutics, Inc., USA
PCT Int. Appl., 128 pp. COPYRIGHT 2005 ACS on STN CAPLUS L3 ANSWER 3 OF 12 (ACESSION NUMBER: DOCUMENT NUMBER: TITLE: INVENTOR (S) :

PATENT ASSIGNEE(S): SOURCE:

	DATE	20011001		GE, GH, LK, LR.				CH, CY,	rr, BF,	ខ្ទ	110011	SE, MC, PT,		20031016	20000329	110011	
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ΙΙ

AB Title compds. I [wherein A = (un)substituted imidazoliny], tetrahydropyrimidiny], tetrahydropyrimidiny], tetrahydro-1H-1,3-diazepiny], imidamido(alky]), tetrahydropyrimidiny], tetrahydropyrimidiny], tetrahydropyrimidiny], tetrahydropyrimidiny], pyridinediy], etc.; 0 = (un)substituted phenylene, pyrimidinediy], pyridinediy], pyrazimediy], pyrazimediy], v = CRO or SO2; J = (un)substituted naphthy], thoroptenediy], benzothidinediy], benzothidinediy], benzothidinediy], benzothidy, quinazoliny], benzothidylenty], etc.; Rl and R2 = independently quinazoliny], andoylenyl, etc.; Rl and R2 = independently quinazoliny], andoylenyl, andoylenyl, and pharmaceutically acceptable isomers, salts, hydrates, solvates, and prodrugs thereof) were prepared For example, l-Boc-5-chloro-2-indolylsulfonyl chloride was coupled with 1-Boc-piperazine in DCM in the presence of pyridine to give the sulfonamide (95%). Deprotection using HCl gas (99%), followed by acylation with 4-cyanobenzoyl chloride in pyridine in the presence of DMAP (73%) and treatment with HCl and dimethylamine, afforded II. are highly selective inhibitors of factor Xa and are useful for the treatment of diseases characterized by undesired thrombosis or coagulation disorders Æ

(no data).
406714-73-6P 406714-94-1P 406715-09-1P
406717-30-4P 406717-88-2P 406718-30-7P
406718-44-3P 406719-21-9P 406719-42-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Therapeutic use);

(factor Xa inhibitor; preparation of piperazine (hetero)aryl ketones and sulfones as factor Xa inhibitors for treatment of thrombosis or coagulation disorders)
40514-73-6 CAPLUS
Azetidinium, 1-11-azetidinyl[4-[[4-[(6-chloxobenzo[b]thien-2-yl)sulfonyl]-1-piperazinyl]carbonyl]methylene]- (9CI) (CA INDEX NAME)

₹8

406714-94-1 CAPLUS
Piperazine, 1-[(6-chloro-2-naphthalenyl)sulfonyl}-4-[4-(imino-1-pyrrolidinylmethyl)benzoyl}- (9CI) (CA INDEX NAME) Z Z

**₹**8

406715-09-1 CAPLUS
Piperazine, 1-[4-(1-azetidinyliminomethyl)benzoyl]-4-[(6-bromo-2-naphthalenyl)sulfonyl}- (9CI) (CA INDEX NAME)

Z 2

406717-30-4 CAPLUS
2-Piperazineacetic acid, 1-[4-(aminoiminomethyl)benzoyl]-4-[(5-chloro-lH-indol-2-yl)sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

406717-88-2 CAPLUS 2-Piperazinecarboxylic acid, 1-[4-(aminoiminomethyl)benzoyl]-4-[(6-chloro-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME) 2 S

406718-30-7 CAPLUS
2-Piperazineacetic acid, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[4[imino[(2-methoxyethyl)methylamino]methyl)benzoyl]- (9CI) (CA INDEX NAME) Z Z

406718-44-3 CAPLUS
Piperazine, 4-[(5-chloro-1H-indol-2-yl) sulfonyl]-1-[4-(4,5-dihydro-1-methyl-1H-imidazol-2-yl) benzoyl]-2-(1-piperazinylcarbonyl)- (9CI) (CAINDEX NAME) ₩ 5

RN 406719-21-9 CAPLUS
CN Piperazine, 1-[[3'-(aminomethyl)[1,1'-biphenyl]-4-yl]carbonyl]-4-[(6-bromo-2-naphthalenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 406719-42-4 CAPLUS
CN Piperazine, 1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[[2'[(dimethylamino)iminomethyl][1,1'-biphenyl]-4-yl]carbonyl]- (9CI) (CA
INDEX NAME)

L3 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 120:1798204 CAPLUS
DOCUMENT NUMBER: 135:344509
TITLE: 0.f farnest) protein transferase
INVENTOR(S): Bhide, Rajeev S.; Hunt, John T.; Leftheris, Katerina; Bhide, Rajeev S. SURCE: COPEN: PATENT ASSIGNEE(S): Britch-Myers Squibb Company, USA
SOURCE: CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PA.	PATENT NO.	ō.			KIND	_	DATE		_	APPL	ICAT	APPLICATION NO.	ğ.		Ã	DATE	
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MO	WO 2001081322	8132	22		A1		20011101	1101	_	Ş	1-100	WO 2001-US11209	603		Ñ	20010406	90
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SN	US 6458783	83			<b>B</b> 1	••	2002	1001	_	JS 2(	-000	55674	9		Ñ	20000421	21
PRIORITY APPLN.	Y APPL		INFO.	:					_	32 2	-000	55674	9	~	2	0000	77
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										15	866	16180	11		B2 19	19980928	28
OTHER SOURCE(S): GI	OURCE (	: :			MARE	AT	MARPAT 135:344509	34450	6								

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I and II [wherein m, n, and p = independently 0 or 1; 2 = nul, CHR9, SO2, CO, CO2, 0, NR10, SO2NR11, CONR12, K. and N. and N.

for inhibiting tumors and treating diseases associated with signal transduction pathways (no data).

IT 371150-63-9 (3R) -2.3 4.5. "Terrahydro-3-phenylmethyl) -4-[[4- (phenylmethyl) -1-piperazinyl] sulfonyl]-1H-1.4-benzodiazepine-7-

carbonitrile RL: RCT (Reactant); RACT (Reactant or reagent) (reactant; preparation of non-imidazole benzodiazepine inhibito

(reactant; preparation of non-imidazole benzodiazepine inhibitors of farnesyl protein transferase for treatment of cancer and other diseases associated with signal transduction pathways) 371150-63-9 CAPLUS 1H-1,4-Benzodiazepine-7-carbonitrile, 2,3,4,5-tetrahydro-3-(phenylmethyl)-4-[[4-(phenylmethyl)-1-piperazinyl]sulfonyl]-, (3R)- (9CI) (CA INDEX

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Absolute stereochemistry.

REFERENCE COUNT:	S THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
L3 ANSWER 5 OF 12 CA ACCESSION NUMBER: DOCUMENT NUMBER:	CAPLUS COPYRIGHT 2005 ACS on STN 2001:78383 CAPLUS 134:163059
TITLE:	Substituted piperazinone derivatives and other oxoazaheterocyclyl compounds useful as factor Xa/IIa inhibitore
Inventor (s) :	Ewing, William R.; Becker, Michael R.; Choi-Sledeski, Yong Mi; Pauls, Heinz W.; He, Wei; Condon, Stephen M.; Davis, Roderick S.; Hanney, Barbara A.; Spada, Alfred P.; Burns, Christopher J.; Jiang, John Z.; Li, Aiwen; Wyers, Wichael R.; Lau, Wan F.; Poli, Grecory B.
PATENT ASSIGNEE(S): SOURCE:	Aventis Pharmaceuticals Products Inc., USA PCT Int. Appl., 460 pp.
DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:	

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acceptable salts, producing, provides, hydrates, and solvates [wherein A croptable salts, producing, Noxides, hydrates, and solvates [wherein A croptable [and 1] of and [G2 = [u]C4] or [u2Cy2; Cy1 and Cy2 = (un) substituted ary]. Heteroary], cycloalky], cycloalky, cycloalky, cycloalky], cycloalky, cycl The invention is directed to piperazinones I and their pharmaceutically ¥B

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₹ 8

Absolute stereochemistry

ACCESSION NUMBER: 2000-141494 CAPLUS
DOCUMENT NUMBER: 132-194658
TITLE: Breparation of ethylenediamine-derived pseudopeptides as reversible cysteine protease inhibitors Klaus, "Effrey L.; Rasnick, David; Palmer, James T.; Kuo, Elaine Yee-Lin PATENT ASSIGNEE(S): Axys Pharmaceuticals, Inc., USA source: abandoned. CODEN: USXXAM

English 2

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

DATE	19960603	19960601	19960603	19960603	19960606	B2 19950607
APPLICATION NO.	US 1996-657103	TW 1996-85106569	CA 1996-2222972	CN 1996-195858	ZA 1996-4751	
DATE				19980902	19970108	
KIND	4	В	Ą	4	4	
PATENT NO.	US 6030946	TW 438591	CA 2222972	CN 1192219	ZA 9604751	PRIORITY APPLN. INFO.:

MARPAT 132:194658

OTHER SOURCE (S).

AB N-substituted ethylenediamines, e-g., A-NR3CHRICHKZNR4-X [A, X = acyl, acyl, peptidyl, alkyloxycarbonyl, alkyloxycarbonyl, sulfamoyl, and substituted sulfamoyl, sulfamoyl, and substituted sulfamoyl substituted ethylenel, were prepared as reversible cysteine protease inhibitors (KI .Ltorsim. 100 µM). Thus, cysteine protease inhibitors (KI .Ctorsim. 100 µM) against cathepsin B, cathepsin B OTHER SOURCE(S):

(Reactant or reagent)
(Preparation of ethylenediamine-derived pseudopeptides as reversible cysteine protease inhibitors)
186412-47-5 CAPLUS

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Piperazine, 2-butyl-1-(2-naphthalenylsulfonyl)-4-(phenylmethyl)- (9CI) (CA INDEX NAME) Z

THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 7 REFERENCE COUNT:

Preparation of sulfonamides as inhibitors of activated blood coagulation factor X Tawada, Hiroyuki, Itoh, Fumio, Banno, Hiroshi; Terashita, Zenichi Takeda Chemical Industries, Ltd., Japan PCT Int. Appl., 187 pp. CODEN: PIXXD2 Patent: L3 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 1999:5111143 CAPLUS DOCUMENT NUMBER: 131:170361 TITLE: Preparation of sulfonamides or Japanese 1 LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT ASSIGNEE(S): SOURCE: DOCUMENT TYPE: INVENTOR (S):

PA	PATENT NO.			KIND		DATE		~	\PPL	ICAT	APPLICATION NO.	Š.		Ω	DATE	
Q.	40 9940075			¥		19990812	1812	=	ç	-666	WO 1999-JP470		:	1 11	19990204	204
	W: AL			AZ,	B,	BB,	BG,	BR,	BY,	ð	g		ČZ,	EE,	8	8
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	£			₹	Ä,	MR,	NE,	SN,	E,	Ę						
đ	2317017			¥	•	19990812	1812	·	A	-666	A 1999-2317017	110		-	19990204	204
AU	9922988			Al		19990823	1823	~	W 1	-666	2298			-	19990204	204
g.	2000204081	081		A2		20000725	725		100	-666	2705	m		-	19990204	204
EP	1054005			Aı		20001122	1122	_	30	-666	EP 1999-902829	59		-	19990204	204
	R: AT	AT, BE,	5	DE,		DK, ES, FR,	FR,	8	8	II,	GB, GR, IT, LI, LU,	3	Z,	SE,	SE, MC, PT	2
	IE,	FI.												,	•	
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SN	US 6680312			B2	•	20040120	120									
PRIORIT	PRIORITY APPLN.	INFO.:	;					•	101	-866	2483	m	•		9980	205
									百世	-866	3172	92	_	A	19981109	103
								-	WO 1	-666	1999-JP470		_		19990204	204
								۰	35 2	000	2000-601660	9	_	A3 2	20000803	803
OTHER S	OTHER SOURCE(S): GI			MAR	. TA:	MARPAT 131:170361	17036									

AB The title compds. I [R1 represents a hydrocarbyl or heterocyclic group each optionally substituted; the ring A represents a divalent nitrogen-containing heterocycle group optionally further substituted; X' represents optionally substituted alkylene; Y represents an optionally substituted alkylene; X represents a bond or optionally substituted alkylene; X represents a bond or optionally substituted alkylene; A represents a bond or optionally substituted alkylene; and Z represents optionally substituted anidoyl, or an optionally substituted amino, optionally substituted anidoyl, or an optionally substituted amino, nitrogen-containing heterocyclic group] are prepared Formulations containing a compound of this invention are given. In a test for inhibiting activity of title compds. against activated blood coagulation factor X, I-(4-amidinobenzyl)-4-(6-chloronaphthalene-2-sulfonyl)-2-piperazinone hydrochloride showed LTGD of 0.05 µM.

17 239072-09-4P 239074-66-3P

RI: BAC (Biological activity or effector, except adverse); BSU (Biological study); PREP (Preparation); TRU (Therapeutic use); BIOL (Biological study); PREP (Preparation); TRU (Therapeutic use); Exercity of preparation of sulfonamides as inhibitors of activated blood coagulation 9

F. G. B.

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Piperazinone, 4-[(6-chloro-2-naphthalenyl)sulfonyl]-1-[(4-(1H-imidazol-1-yl)phenyl]methyl]-3-(1-methylethyl)-, (3S)- (9CI) (CA INDEX NAME) 28

CAPLUS

239072-09-4

Absolute stereochemistry.

Benzenecarboximidamide, 4-[{4-[\lambda-1-1-benzopyran-3-y1}sulfonyl]-2-oxo-1-piperazinyl]methyl]- (9CI) (CA INDEX NAME) 239074-60-3 CAPLUS Z Z

THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 15

REFERENCE COUNT:

CAPLUS COPYRIGHT 2005 ACS on STN
1999:233904 CAPLUS
130:282084
Benzamidine derivatives as factor Xa inhibitors
Dorsch, Dieter; Juraszyk, Horst; Murziger, Hanns;
Bernotat-Danielowski, Sabine; Melzer, Guido
Merck Patent G.m.b.H., Germany
PCT Int. Appl., 79 pp. L3 ANSWER 8 OF 12
ACCESSION NUMBER:
DOCUMENT NUMBER:

PATENT ASSIGNEE(S) INVENTOR (S):

Patent German DOCUMENT TYPE:

SOURCE:

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

DATE KIND PATENT NO.

DATE

APPLICATION NO.

19980916
CU, CZ, DE,
JP, KE, KG,
MN, MW, MX,
TH, TT, TT,
TW, TJ, TM
DE, DK, ES,
CF, CG, CI, 19980916 19980916 19980916 19980916 19980930 20000331 19971001 19980916 19980916 SE, PT, IE, 19971001 19980916 19980916 2000033 **43** Ę, BR 1998-12699 JP 2000-513837 SK 2000-447 RU 2000-110737 AT 1998-94898 ZA 1998-8937 NO 2000-1687 US 2000-569729 DE 1997-19744435 WO 1998-EP5898 DE 1997-19743435 CA 1998-2305568 AU 1998-95407 CA CH, ID, IL, ND, MG, MG, KG, KZ, SE, KZ, SE, CH, SE, RE, CH, SE, BF, GR, IT, LI, LU, EP 1998-948982 FF, FF SI TE ZK. 8 MARPAT 130:282084 19990408 BA, BB, GE, GH, LR, LS, RU, SD, YU, SW, SD, SZ, TT, LU, MR, NE, 19990408 19990408 19990408 20011016 20021203 20021210 20030715 19990331 20000331 DK, ES, FR, RO 20030625 20000822 AE, WW., CK. AAU, LEC, LEC, LEC, LES, CR, L ë S AT, KZ, KZ, US, GB, PRIORITY APPLN. INFO.: Ľ, AM, KR, KR, UG, UG, GM, GM, GA, BR 9812699 JP 2001518467 SK 282799 RU 2194044 AT 243681 ZA 8808937 NO 2000001687 US 6492368 19743435 2305568 9895407 WO 9916751 W: AL, DDK, KP, NO, NO, RW: GH, CM, OTHER SOURCE(S): GI 736080 1025086 1025086 R: AT, SI, 

Title compds. I [X = bond, CO, (un)substituted CH2, CH2CH2, CH2CO, CH2CH2CO, CA2ALKPJ, Oxaalkyl, thiaalkyl, alkenyl, aryl, aryloxy, heterocyclic, aralkenyl] are inhibitors of coagulation factor Xa and can be used for preventing or treating thromboembolic discorders (no data). Thus, 4-(5-methyl-1,2,4-oxadiazol-3-yl)benzoic acid was converted to the acid chloride, treated with N-tert.-bucoxycarbonylpiperszine, and deblocked to give treated with 6-chloro-2-naphthalenesulfonyl chloride and reduced to give æ

the benzamidine II.
22541-81-3P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazinylbenzamidine derivs. as factor Xa inhibitors)

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222541-81-3 CAPLUS Piperazine, 1-[4-(aminoiminomethyl)benzoyl]-4-[(6-chloro-2-naphthalenyl)sulfonyl)-, monoacetate (9Cl) (CA INDEX NAME) **3 3** 

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222541-80-2 C22 H21 C1 N4 O3 S CRN

~ ₹ 64-19-7 C2 H4 O2 CRN CMF

HO-C-CH3

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 9 REFERENCE COUNT:

1998:794998 CAPLUS
1998:794998 CAPLUS
130:38404
Preparation of 1-benzoyl-4naphthalenesulfonyloiberazines and related compounds as inhibitors of activated coagulation factor X.
Tawada, Hiroyuki; Ito, Fumio; Moriya, Norihiko;
Taxeda Chemical Industries, Ltd., Japan
PCT Int. Appl., 313 pp.
Patent CAPLUS L3 ANSWER 9 OF 12 (AACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

INVENTOR (S):

PATENT ASSIGNEE(S):

SOURCE:

English DOCUMENT TYPE: LANGUAGE:

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.	r NO.			KIND		DATE		_	APPL	ICAT	APPLICATION NO.	ģ.		ă	DATE	
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WO 985	54164			Al	, ,	19983	1203		Š	988-	WO 1998-JP2346	9		Ħ	9980	528
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CA 228	37292			AA		19981	1203		8	-866	2287	292		H	19980528	528
N 987	74534			A		1998	1230		100	-866	7453	-		H	9980528	528

19991130 19970530 19971219 19980528 19980528 NL, SE, MC, PT, 19980529 443 Al 20000322 EP 1998-921852 CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, JP 1998-148677 US 1999-424892 JP 1997-142250 JP 1997-351806 WO 1998-JP2346 19990831 20020319 A2 B1 PRIORITY APPLAN. INFO.: EP 986551 R: AT, BE, C IE, FI JP 11236372 US 6359134

AB RIGOZOXXZ [II. = (substituted) hydrocarbyl, heterocyclyl; A = RIGOZOXXZ [II. = (substituted) hydrocarbyl, heterocyclyl; A = (substituted) hydrocarbylene, heterocyclylene; X = bond, (substituted) alkylene; Z = substituted amino, indidoyl, N-heterocyclyl; provided that when X = bond and Z = (substituted) hydrocarbylene, were prepared Thus, reaction of 1-(6-chloronaphthalene-2-sulfonyl) piperazine hydrochloride with Z - (4-pyridyl)-4-ferbyl-5-thiazolecarboxylic acid in the presence of EtsN and WsC hydrochloride in DMF gave 1-(6-chloronaphthalene-2-sulfonyl) -4-[2-(4-pyridyl)-4-methyl-5-thiazolecarboxylic parazine. The latter inhibited human activated coagulation factor X with IGSO = 0.019 \muM.

FILE BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); STM (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (USES) (preparation of 1-benzoy1-4-naphthalenesulfonylpiperazines and related compds. as inhibitors of activated coagulation factor X) 216956-65-9 CAPLUS Piperazine, 1-[(6-chloro-2-naphthalenyl)sulfonyl) 4-[4-[(1,1-dimethylathyl)ethylaminolmethyl) euleoyl]- (9CI) (CA INDEX NAME)

\$ 8

216957-30-1 CAPLUS Piperazine, 1-[[trans-4-[(aminoiminomethyl)amino]cyclohexyl]carbonyl]-4-[(6-chloro-2-naphthalenyl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME) **2** 23

Relative stereochemistry.

● HC1

216958-30-4 CAPLUS Piperazine, 1-(6-amino-2-naphthalenyl)sulfonyl]-4-[4-(1H-imidazol-1-yll benzoyll- (9CI) (CA INDEX NAME) **3** 3

216959-21-6 CAPLUS
Piperazine, 1-{(trans-4-aminocyclohexyl)carbonyl]-4-{(7-chloro-2H-1-benzopyran-3-yl)sulfonyl]-, monohydrochloride (9CI) (CA INDEX NAME) Z Z

Relative stereochemistry.

● HC1

THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 12 REFERENCE COUNT:

TUS COPYRIGHT 2005 ACS on STN 1998:341547 CAPLUS CAPLUS L3 ANSWER 10 OF 12 ACCESSION NUMBER: DOCUMENT NUMBER:

129:16141
Preparation of 1-(naphthylsulfonyl)-4Benzoylpiperazines and related compounds as inhibitors
of Factor Xa.
Preston Xa.
Preston, John; Stocker, Andrew; Turner, Paul;
Smithers, Michael James; Rayner, John Wall
Zeneca Ltd., UK; Preston, John; Stocker, Andrew;
Turner, Paul; Smithers, Michael James; Rayner, John PATENT ASSIGNEE(S): INVENTOR (S):

Wall PCT Int. Appl., 55 pp. CODEN: PIXXD2

SOURCE:

2 h = 68 525% d /105(b) Patent English FAMILY ACC. NUM. COUNT: PATENT INFORMATION: DOCUMENT TYPE:

S CONTAINED 19971104 7, CZ, DE, 7, KP, KR, 80, NZ, 7, UA, UG, DATE B, B, B, E, E £ # ¥ ₽ ₽ 9,8,8,8,8 APPLICATION NO. WO 1997-GB3033 AS, MK, MD, BR, BY, ID, IL, MD, MG, SK, SL, KG, KZ, BG, HU, LV, SI, BY, 19980522 BA, BB, GE, GH, LT, LU, SE, SG, AM, AZ, AZ, LS, SD, ZW, KIND AU, FI, LR, YU, YU, AT, ES, LK, NO, AM, EE, LC, PT, UZ, WO 9821188 KZ, PL, US, PATENT NO.

BR 1997-12672 19971104
CN 1997-19426 19971104
NZ 1997-334710 19971104
JP 1998-52274 19971104
EP 2003-11315 19971104
EP 2003-11815 19971104
ER 2003-11815 19971104 19971104 19971104 19971104 19971104 A 19961108 A 19970729 A3 19971104 W 19971104 A1 19990507 ES, FI, FR, CI, CM, GA, 19971105 19971107 19990507 19990507 19990507 SE, MC, PT 19971104 20010927 gğ, Ŗ AT 1997-911333
PT 1997-911333
PT 1997-911333
TW 1997-911333
TW 1999-2230
TW 1999-724065
US 1999-724065
US 2001-963686
GB 1997-15893
GB 1997-911333
WO 1997-911333 GB, GR, IT, LI, LU, ZW, AT, BE, CH, DE, PT, SE, BF, BJ, CF, CA 1997-2266890 AU 1997-48748 EP 1997-911333 gB, SZ, UG, MC, NL, TD, TG 19980522 19980603 20010405 19990825 20040121 ES, FR, 19991026 19991117 20001124 20010327 20031010 20031105 ES, FR, 20000825 20011009 20031016 20040531 20040816 20011011 19980508 19990507 20040215 SE ES ĎΚ, ĎĶ, DE, C22 ₽, 5 R. IE, PRIORITY APPLIN. INFO.: BE, BE, FI 쫎, 유, 축 AT 258167 PT 937048 ES 2213208 TW 458968 ZA 9710062 NO 9902330 KR 2000053128 US 6300330 US 2003195203 2001504113 RW: GH, GB, CN, 2266890 9748748 731929 937048 R: AT, IE, R: AT, IE, 9712672 1235597 334710 2213732 1358909 EESAG 2 2 2 2 2 2 E

AB ABXII(R2)117(R3)X20 [1; A = (substituted) 5-6 membered heteroaryl; B = (substituted) phenylene; T1, T2 = (H, N; ≥ 10 f T1, R2 = N; X1 = S0, S0, C0, C(R4)2, O, S; R4 = H, alkyl; L1 = alkylene, alkylenecarbonyl; R2, R3 = H, alkyl; R213 = alkylene, CH2C0; Q = (substituted) Ph, naphthyl, phenylalkyl, phenylalkyl) phenzoate (preparation given) was converted to the acid chloride which was stirred with 1-(6-bromonaphth-2-ylsulfonyl) pherazine hydrochloride and Et3N in CH2C12 to give inhibited Pactor Xa with ICSO = 0.001-25 µM.

EL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 1-(naphthylsulfonyl)-4-benzoylpiperazines and related compds. as inhibitors of factor Xa) 207798-73-0 CARLDS Piperazine, 1-(6-bromo-2-naphthalenyl)sulfonyl]-4-[4-(4-pyridazinyl)benzoyl]- (9CI) (CA INDEX NAME) H

**E E** 

3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE COUNT:

AB A reversible cysteine protease inhibitor comprising two N-substituents linked via an ethylenediamine or a substituted ethylenediamine, wherein the dissociation constant for inhibition, Kl, of a protease with the inhibitor, is no greater than about 100 µµ, and wherein said N-substituents are selected from the group consisting of acyl, arylepstidyl, substituents are alkyloxycarbonyl alkyloxycarbonylpeptidyl, sulfonyl, sulfonylpeptidyl, carbamcylpeptidyl, sulfinyl, sulfinyl, sulfinyl, carbamcylpheptidyl, thus, marked anhydride formation of N-(4-morpholinecarbonyl)phenylalaine with iso-Bu chloroformate and coupling with NHCH(CH2CH2Ph)CH2NHSO2Ph (prepared in 3 steps from

4×とシャイン ONCY WEED TO MADE I ELECTION NOT IN 1703 homophenylalanine and PhSO2Cl) gave 89% ethylenediamine inhibitor I. Prepared compds., including I, were tested for inhibitory activity against cathepsin B, cathepsin L, cathepsin S, and cruzain. RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of ethylenediamine-derived reversible cysteine protease inhibitors) COULDINIT 19880609 186412-47-5 CAPLUS Piperszine, 2-butyl-1-(2-naphthalenylsulfonyl)-4-(phenylmethyl)- (9CI) (CA INDEX NAME) FEND EN For DATE Preparation of arylaulfonylpiperazines as antinflammatories
Abou-Gharbia, Magid A.
American Home Products Corp., Japan
U.S., 4 pp.
CODEN: USXXAM
Patent
English 102(6) A 19890815 US 1988-204459 US 1988-204459 CASREACT 112:139052; MARPAT 112:139052 APPLICATION NO. L3 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN ACCESSION NUMBER: 11990:139052 CAPLUS DOCUMENT NUMBER: 112:139052 PTILLS: Preparation of arylsulfonylpipe KIND DATE LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PRIORITY APPLN. INFO.: OTHER SOURCE(S): GI :::: INVENTOR(S): PATENT ASSIGNEE(S): US 4857644 PATENT NO. DOCUMENT TYPE: SOURCE: H Z Z

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AB The title compds. [1; R1, R2 = H, Cl-6 alkyl, Ph; R1R2 = (CH2)4, CH2CH2(CH2), bond; R3 = H, halo, Cl-6 alkyl, alkoxy; R4 = PhCH2, (un)substituted Ph, pyridinyl, pyrimidinyl, pyrainyl; Z = SO2, SO2RR5; R5 = H, Cl-6 alkyl; m = 0-4; n = 0-2) and their pharmaceutically acceptable salts were prepared as antiinflammatories, e.g., by acylation of piperazines with arylaulfonyl chlorides. Thus, a solution of 5-methoxyindan in MeCN was added dropwise over 0.5 h to a cooled and stirred solution of ClSO3H,

followed by heating 3 h at 50-60°. The intermediate chlorous Lord and E120.

chlorouslfonated indam (II) in CH2C12 was treated with 1-(2-pyrimidinyl) piperazine dihydrochloride and Et3N, and stirred overnight to give I (R1, R2 = H, R3 = 6-MeO; Z = 502; R4 = 2-pyrimidinyl, m. n = 0) which was converted to its hydrochloride. The latter at 50 mg/kg p.o. gave 554 inhibition of the acute inflammatory response in the rat carragenan paw edema assay.

112595-88-7p

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of, as antiinflammatory)

RN 12595-88-7 CAPLUS

CN Piperazine, 1-(9H-fluoren-2-ylsulfonyl)-4-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME) II

Z Z

"UNSAT'D, TRACYCLEC GROUP"

TOTAL SESSION 61.72 TOTAL SESSION -8.76 SINCE FILE ENTRY 61.08 SINCE FILE ENTRY -8.76 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) => LOG HOLD COST IN U.S. DOLLARS CA SUBSCRIBER PRICE FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES STN INTERNATIONAL SESSION SUSPENDED AT 14:49:28 ON 24 MAR 2005